

What is Claimed is:

1. An outdoors umbrella, comprising:

a supporting frame which comprises:

a supporting stem; and

5 a parasol frame, which is supported by said supporting stem, comprising a plurality of elongated awning ribs radially extended in a pivotally movable manner and a shading awning substantially supported by said awning ribs to define a shadowing area thereunder; and

10 a lighting arrangement comprising a plurality of illumination holders provided along said awning ribs respectively, a power supply system mounted on said supporting frame, and a chain illuminating system, which is electrically connected to said power supply system, comprising a plurality of chain lighting units alignedly held by said illumination holders along said awning ribs for illuminating said shadowing area.

15 2. The outdoors umbrella, as recited in claim 1, wherein each of said chain lighting units along said respective awning rib is electrically extended in a series connection.

3. The outdoors umbrella, as recited in claim 1, wherein each of said illumination holders has an elongated receiving groove provided on a bottom side of said respective awning rib to alignedly receive said chain lighting units.

20 4. The outdoors umbrella, as recited in claim 2, wherein each of said illumination holders has an elongated receiving groove provided on a bottom side of said respective awning rib to alignedly receive said chain lighting units.

25 5. The outdoors umbrella, as recited in claim 3, wherein said lighting arrangement further has an electric channel provided on a top side of each of said awning rib to communicate with said respective receiving groove through an interior of said respective awning rib, and a light holder slidably inserted into said respective electric

channel, wherein said chain lighting units are spacedly mounted to said light holder such that said light holder is adapted to hold said chain lighting units in position along said respective awning rib and to enclose said respective electric channel to protect said chain lighting units within said receiving groove.

5           6. The outdoors umbrella, as recited in claim 4, wherein said lighting arrangement further has an electric channel provided on a top side of each of said awning rib to communicate with said respective receiving groove through an interior of said respective awning rib, and a light holder slidably inserted into said respective electric channel, wherein said chain lighting units are spacedly mounted to said light holder such  
10 that said light holder is adapted to hold said chain lighting units in position along said respective awning rib and to enclose said respective electric channel to protect said chain lighting units within said receiving groove.

          7. The outdoors umbrella, as recited in claim 4, wherein said power supply system comprises a solar energy collector, which is attached on top of said supporting  
15 stem and electrically connected to said chain illuminating system, is arranged for collecting solar energy as a power source to said chain illuminating system.

          8. The outdoors umbrella, as recited in claim 6, wherein said power supply system comprises a solar energy collector, which is attached on top of said supporting  
20 stem and electrically connected to said chain illuminating system, is arranged for collecting solar energy as a power source to said chain illuminating system.

          9. The outdoors umbrella, as recited in claim 1, wherein each of said illumination holder has two lighting slots indently formed on two sidewalls of each of said awning ribs respectively, wherein said chain lighting units are alignedly received in said lighting slots respectively.

25           10. The outdoors umbrella, as recited in claim 2, wherein each of said illumination holder has two lighting slots indently formed on two sidewalls of each of said awning ribs respectively, wherein said chain lighting units are alignedly received in said lighting slots respectively.

          11. The outdoors umbrella, as recited in claim 10, wherein said power supply  
30 system comprises a solar energy collector, which is attached on top of said supporting

stem and electrically connected to said chain illuminating system, is arranged for collecting solar energy as a power source to said chain illuminating system.

12. The outdoors umbrella, as recited in claim 1, wherein each of said illumination holders has an elongated receiving groove provided on a bottom side of said  
5 respective awning rib and a light holder slidably inserted into said respective receiving groove, wherein said chain lighting units are spacedly mounted to said light holder such that said light holder is adapted to hold said chain lighting units in position along said respective awning rib.

13. The outdoors umbrella, as recited in claim 2, wherein each of said  
10 illumination holders has an elongated receiving groove provided on a bottom side of said respective awning rib and a light holder slidably inserted into said respective receiving groove, wherein said chain lighting units are spacedly mounted to said light holder such that said light holder is adapted to hold said chain lighting units in position along said respective awning rib.

14. The outdoors umbrella, as recited in claim 13, wherein said power supply  
15 system comprises a solar energy collector, which is attached on top of said supporting stem and electrically connected to said chain illuminating system, is arranged for collecting solar energy as a power source to said chain illuminating system.

15. The outdoors umbrella, as recited in claim 1, wherein each of said  
20 illumination holders has an elongated receiving groove provided on a bottom side of said respective awning rib, wherein said chain lighting units are embodied as rope lights slidably received in said receiving grooves respectively so as to hold said chain lighting units along said awning ribs in position respectively.

16. The outdoors umbrella, as recited in claim 2, wherein each of said  
25 illumination holders has an elongated receiving groove provided on a bottom side of said respective awning rib, wherein said chain lighting units are embodied as rope lights slidably received in said receiving grooves respectively so as to hold said chain lighting units along said awning ribs in position respectively.

17. The outdoors umbrella, as recited in claim 16, wherein said power supply  
30 system comprises a solar energy collector, which is attached on top of said supporting

stem and electrically connected to said chain illuminating system, is arranged for collecting solar energy as a power source to said chain illuminating system.

18. The outdoors umbrella, as recited in claim 1, wherein said lighting arrangement further comprises an elongated light holder to spacedly mounted said chain  
5 lighting units in position, wherein each of said illumination holders comprises an adhesive element provided on a bottom side of said respective awning rib to attach on said light holder so as to support said chain lighting units along said awning ribs respectively.

19. The outdoors umbrella, as recited in claim 2, wherein said lighting  
10 arrangement further comprises an elongated light holder to spacedly mounted said chain lighting units in position, wherein each of said illumination holders comprises an adhesive element provided on a bottom side of said respective awning rib to attach on said light holder so as to support said chain lighting units along said awning ribs respectively.

20. The outdoors umbrella, as recited in claim 19, wherein said power supply  
15 system comprises a solar energy collector, which is attached on top of said supporting stem and electrically connected to said chain illuminating system, is arranged for collecting solar energy as a power source to said chain illuminating system.